

WHAT IS CLAIMED IS:

1. A grill apparatus comprising:
 - a base having a cooking plate;
 - an exhaust fan mounted in the base for sucking exhaust air generated
 - 5 by the cooking plate; and
 - a water-cooled muffler device mounted in the base and including a housing through which the exhaust air passes, the water-cooled muffler device using water for filtering, cooling, and muffling the exhaust air.
2. The grill apparatus as claimed in claim 1, with the exhaust fan
- 10 including a pipe for guiding the exhaust air into the water-cooled muffler device, the exhaust fan further including a guide for guiding the exhaust air in the water-cooled muffler device.
3. The grill apparatus as claimed in claim 1, with the water-cooled muffler device including a water-circulating system having a water inlet tube
- 15 and a water outlet tube.
4. The grill apparatus as claimed in claim 1, with the water-cooled muffler device including a water pump and means for generating water curtains that are located on paths through which the exhaust air passes.
5. The grill apparatus as claimed in claim 4, with the housing
- 20 including an opening in a top thereof, the water-cooled muffler device further including a ball partially extending through the opening of the housing, a ball-receiving trough being located in a top portion of the housing, with the

ball being received in the ball-receiving trough, and with a plurality of troughs being located at different levels below the ball-receiving trough.

6. The grill apparatus as claimed in claim 5, with water in a bottom of the housing being pumped upward into the ball-receiving trough and then
5 falling downward, forming a plurality of water curtains, with the exhaust air passing through the water curtains, through a gap between the ball and the ball-receiving trough, and through another gap between the ball and a periphery delimiting the opening of the housing.

7. The grill apparatus as claimed in claim 6, with the water-cooled
10 muffler device including a smoke-removing unit that includes a plurality of vertically spaced plates each having a plurality of apertures, with a plurality of water curtains being formed between the troughs and the ball-receiving trough, and with the exhaust air passing through the apertures of the plates and the water curtains between the troughs and the ball-receiving trough.

15 8. The grill apparatus as claimed in claim 1, with the water-cooled muffler device including a smoke-removing unit that includes a plurality of vertically spaced plates each having a plurality of apertures, with the water and the exhaust air passing through the apertures of the plates.

9. The grill apparatus as claimed in claim 8, with the water passing
20 through the apertures of the vertically spaced plates and forming a plurality of water curtains.

10. The grill apparatus as claimed in claim 1, further including an

airflow adjusting device for adjusting an amount of the exhaust air sucked by the exhaust fan.

11. The grill apparatus as claimed in claim 1, further including a static-electric filtering device for filtering the exhaust air before the exhaust
5 air enters the water-cooled muffler device.